

Appl. No. 10/712,749
Amdt. Dated February 1, 2006
Reply to Office Action of October 27, 2005

PATENT

LISTING OF CLAIMS:

Please amend the claims as follows:

Claims 11-20 (canceled).

Claim 21 (New): A device for assisting a patient in promoting the expectoration of secretions from the lungs, said device comprising:

a main unit including:

an adjustable frequency generator so configured as to generate electrical signals having a frequency in a range of about 30 Hertz to about 120 Hertz;

an adjustable amplifier so configured as to amplify said electrical signals in a range of about 10 Watts to about 50 Watts;

a treatment interface operatively connected to the main unit, including:

an acoustic transducer for converting said amplified electrical signals into acoustic waves; and

an acoustic coupling chamber coupled to said acoustic transducer, said acoustic coupling chamber creating an enclosed air gap between said acoustic transducer and an overlaying skin surface of a patient when said treatment interface is applied to a chest cavity of the patient.

Claim 22 (New): A device for assisting a patient in promoting the expectoration of secretions from the lungs, said device comprising:

a main unit including:

a microcontroller so configured as to generate a digital electrical signals having a frequency in a range of about 30 Hertz to about 120 Hertz;

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a user interface for adjusting the frequency of said digital electrical signals;

a Digital to Analog Converter for converting said digital electrical signals into analog signals

an adjustable amplifier so configured as to amplify said analog signals in a range of about 10 Watts to about 50 Watts;

a treatment interface operatively connected to the main unit, including:

an acoustic transducer for converting said amplified analog signal into acoustic waves; and

an acoustic coupling chamber coupled to said acoustic transducer, said acoustic coupling chamber creating an enclosed gap between said acoustic transducer and an overlaying skin surface of a patient when said treatment interface is applied to a chest cavity of the patient.